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(71)Applicant : ROHM CO LTD

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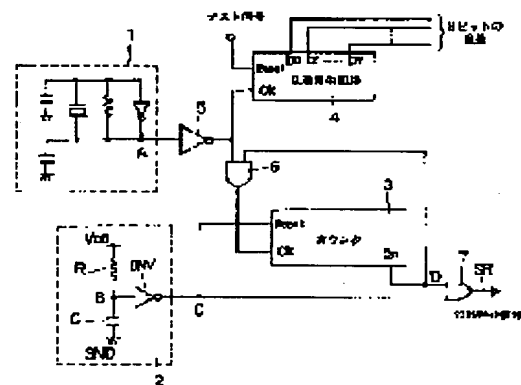
(72)Inventor : TAGIRI HIROKAZU

## (54) SEMICONDUCTOR DEVICE HAVING RANDOM NUMBER GENERATING CIRCUIT

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To prevent random numbers from being equal at all the time by starting operation of a random number generating circuit without applying an initial value after a power source is turned on wherein the number of clocks to be inputted for a fixed time from the start of operation is not determined.

**SOLUTION:** After power source is turned on and an oscillation circuit 1 is stabilized, resetting of an entire system is released, and after the lapse of a prescribed time, random numbers are read out. Thus, after resetting of the entire system is released, random numbers are always read out at the same timing. But, a random number generating circuit 4 is not initialized after the power source is turned on and further, the oscillation circuit 1 is started while its oscillation waves are unstable, so the operation is started without an initial value, and the number of clocks inputted for the lapse of a fixed time from the start of operation is not determined and random numbers are different at all the time.



## LEGAL STATUS

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